

64-17-5

KQ6300000

Ethyl alcohol

SAFETY DATA SHEET Arachidonyl Trifluoromethyl Ketone

Revision: 04/04/2018 Supersedes Revision: 02/24/2015 according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008 Section 1. Identification of the Substance/Mixture and of the Company/Undertaking 1.1 **Product Code:** 62120 Product Name: Arachidonyl Trifluoromethyl Ketone Synonyms: 1,1,1-trifluoro-6Z,9Z,12Z,15Z-heneicosatetraen-2-one; AATFMK; ATK; 1.2 Relevant identified uses of the substance or mixture and uses advised against: Relevant identified uses: For research use only, not for human or veterinary use. 1.3 Details of the Supplier of the Safety Data Sheet: Cayman Chemical Company Company Name: 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company +1 (734)971-3335 1.4 **Emergency telephone number: Emergency Contact:** CHEMTREC Within USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (703)527-3887 Section 2. Hazards Identification **Classification of the Substance or Mixture:** 2.1 Flammable Liquids, Category 2 2.2 Label Elements: **GHS Signal Word:** Danger **GHS Hazard Phrases:** H225: Highly flammable liquid and vapor. **GHS Precaution Phrases:** P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking. P280: Wear {protective gloves/protective clothing/eye protection/face protection}. **GHS Response Phrases:** P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. **GHS Storage and Disposal Phrases:** Please refer to Section 7 for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membranes and upper respiratory tract. 2.3 Adverse Human Health May be harmful by inhalation, ingestion, or skin absorption. **Effects and Symptoms:** May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Section 3. Composition/Information on Ingredients Hazardous Components (Chemical Name)/ EC No./ **GHS Classification** CAS#/ Concentration EC Index No. **RTECS # REACH Registration No.** 149301-79-1 Arachidonyl Trifluoromethyl Ketone 1.0 % NA No data available. MI0510000

NA

200-578-6

603-002-00-5

99.0 %

Multi-region format

Flam. Liq. 2: H225



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		Castien 4 First Aid Massures				
		Section 4. First Aid Measures				
4.1	Description of First Aid					
	Measures:					
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel Get immediate medical attention.				
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminate clothing. Get medical attention if symptoms occur. Wash clothing before reuse.				
	In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examine and tested by medical personnel.				
	In Case of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.				
4.2	Important Symptoms and Effects, Both Acute and Delayed:	d May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.				
		Section 5. Fire Fighting Measures				
5.1	Suitable Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.				
	Unsuitable Extinguishing Media:	g A solid water stream may be inefficient.				
5.2	Flammable Properties an	Flammable Properties and Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.				
	Hazards:	Container explosion may occur under fire conditions.				
		Emits toxic fumes under fire conditions.				
		Sensitive to static discharge.				
		Vapors can travel to a source of ignition and flash back.				
		No data available.				
	Flash Pt:	14.00 C Method Used: Closed Cup				
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19.0% at 25.0 C				
	Autoignition Pt:	363.00 C				
5.3	Fire Fighting Instructions	 s: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes. Note: Flammable as diluted in ethanol. 				
		Section 6. Accidental Release Measures				
6.1	Protective Precautions,	Avoid breathing vapors and provide adequate ventilation.				
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator				
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).				
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.				
	Precautions:					
6.3	Methods and Material For Contain spill and collect, as appropriate.					
	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.					
	Up:					



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		Section 7. H	landling and Storage		
7.1	Precautions To Be Taken	Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.			
	in Handling:	Avoid prolonged or repea	ated exposure.		
		Keep away from sources	of ignition.		
		Take precautionary meas	sures against static discharge.		
7.2 Precautions To Be Taken Keep away from heat, sparks, and flame.					
	in Storing:	Keep container tightly clo			
		Store in accordance with	information listed on the product insert.		
	Other Precautions:	Hygroscopic			
	Sect	ion 8. Exposure	Controls/Personal Protection		
8.1	Exposure Parameters:				
CAS #	# Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations	
64-17	-5 Ethyl alcohol	ACGIH TLV	TLV: 1000 ppm		
		France VL	TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm)		
		OSHA PELs	PEL: 1000 ppm		
		Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()		
8.2	Exposure Controls:				
8.2.1	Engineering Controls	Use process enclosures.	local exhaust ventilation, or other engineering controls t	to control airborne	
	(Ventilation etc.):	levels below recommend			
8.2.2		oment:			
	Eye Protection:	Safety glasses			
	Protective Gloves:	Compatible chemical-res	istant gloves		
	Other Protective Clothing	-	·		
	Respiratory Equipment		tor, as conditions warrant.		
	(Specify Type):				
	Work/Hygienic/Maintenan	Do not take internally.			
	ce Practices:	Facilities storing or utilizin	ng this material should be equipped with an eyewash fac	cility and a safety	
		shower.			
		Wash thoroughly after ha	andling.		
		No data available.			
	Se	ection 9. Physica	al and Chemical Properties		
9.1	Information on Basic Phys	sical and Chemical Prope	erties		
	Physical States:	[]Gas [X]I	Liquid [] Solid		
	Appearance and Odor:	A solution in etha	nol		
	pH:	No data.			
	Melting Point:	No data.			
	Boiling Point:	No data.			
	Flash Pt:	14.00 C Method	d Used: Closed Cup		
	Evaporation Rate:	No data.			
	Flammability (solid, gas):				
	Explosive Limits:	LEL: 3.3%	at 25.0 C UEL: 19.0% at 25.0 C		
	Vapor Pressure (vs. Air or	rmm 43 MM_HG at	20.0 C		
	Hg):				
	Vapor Density (vs. Air = 1): No data.			

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	Solubilit	Gravity (Water : v in Water:	-				
		v in Water:					
	Octanol/	-	No data.				
		Water Partition	No data.				
	Coefficie	ent:					
	Autoigni		363.00 C				
	-	osition Tempera					
	Viscosit	y:	No data.				
9.2 (Other Inf	ormation					
	Percent	Volatile:	No data.				
	Molecula	ar Formula & We	eight: C21H31F3O 356.	5			
			Section 10. Stabi	lity and Reactiv	vity		
10.1	Reactivi	ty:	No data available.	-	-		
10.2	Stability	:	Unstable [] Stable [X]				
10.3	Stability	Note(s):	Stable if stored in accordance	with information listed o	on the product	insert.	
	Polymer	ization:	Will occur [] Will not occ	ur [X]			
10.4	Conditio	ns To Avoid:	heat, flames and sparks				
10.5	Incompa	tibility - Materia	Is alkali metals				
	To Avoid	1:	ammonia				
			peroxides				
			strong oxidizing agents				
10.6	Hazardous carbo		carbon dioxide	on dioxide			
	Decomp	osition or	carbon monoxide				
	Byprodu	icts:					
			Section 11. Toxico	ological Informa	ation		
11.1	Informat	ion on	The toxicological effects of this	product have not been	thoroughly st	udied.	
	Toxicological Effects: Ethan		Ethanol - Toxicity Data: Oral T	nol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50			
			(rat): 7,060 mg/kg; Oral LD50 (7,060 mg/kg; Oral LD50 (mouse): 3,450 mg/kg; Oral LD50 (mouse): 10.5 ml/kg; Oral LD50			
			(rabbit): 6,300 mg/kg; Inhalatio	n LC50 (rat): 20,000 pp	om (10h); Inha	lation TCLO (h	uman): 1,800
			ppm (30m); Inhalation TCLO (I	(30m); Inhalation TCLO (human): 2,500 mg/m3 (20m); Inhalation LC50 (rat): 5,900 mg/m3			
			(6h); Inhalation LCLO (mouse)	, ,, ,,			
			•	anol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate; chidonyl Trifluoromethyl Ketone - Toxicity Data: Intraperitoneal TDLo (mouse): 4 mg/kg;			
		Toxicological	Ethanol - Investigated as a mutagen, reproductive effector, and tumorigen.				
	Effects:		Arachidonyl Trifluoromethyl Ke	•	0		<i>.</i>
			Only select Registry of Toxic E		stances (RIE	CS) data is pre	sented here.
			See actual entry in RTECS for Ethanol RTECS Number: KQ6				
			Arachidonyl Trifluoromethyl Ke		MI0510000		
CAS #		Hazardous Components (Chemical Na			IARC	ACGIH	OSHA
	1-79-1	-	luoromethyl Ketone	n.a.	n.a.	n.a.	n.a.
61	17-5	Ethyl alcohol		n.a.	1	A4	n.a.

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Section 12. Ecological Information						
12.1 Toxicity:			Avoid release into the environment.			
			Runoff from fire control or dilut	ion water may cause p	ollution.	
12.2	Persiste Degrada	ence and ability:	No data available.			
12.3	Bioaccu Potentia	imulative al:	No data available.			
12.4	Mobility		No data available.			
12.5			No data available.			
	assess					
12.6	Other ad	dverse effects:	No data available.			
			Section 13. Dispo	sal Considera	tions	
13.1	Waste D	isposal Method:	Dispose in accordance with loc	cal, state, and federal	regulations.	
			Section 14. Trar	nsport Informa	tion	
14.1	LAND T	RANSPORT (US I	DOT):			
D	OT Prope	er Shipping Name:	Ethyl alcohol solution			
D	OT Hazar	d Class:	3 FLAMMA	BLE LIQUID		
U	N/NA Nur	nber:	1170	Packing Gro	up:	II
	14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Ethyl alcohol solution					
UN Number:			1170	Packing Gro	up:	II
	azard Cla		3 - FLAMMABLE LIQUID			
14.3		ANSPORT (ICAO/I	-			
ICAO/IATA Shipping Name:			Ethyl alcohol solution 1170	Decking Cro		
UN Number: Hazard Class:			3 - FLAMMABLE LIQUID	Packing Group:IIIATA Classification:3		 3
						5
Additional TransportTransport in accordance with local, state, and federal regulations.Information:When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code o E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.			per IATA 2.6.10.			
	Section 15. Regulatory Information					
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists						
CAS	#	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1493	01-79-1	Arachidonyl Triflu	oromethyl Ketone	No	No	No
64	-17-5	Ethyl alcohol		No	No	No
CAS	#	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	
1493	01-79-1	Arachidonyl Triflu	oromethyl Ketone	CAA HAP,ODC: N PROP.65: No	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	
64	-17-5	Ethyl alcohol		CAA HAP,ODC: N	o; CWA NPDES: No	; TSCA: Yes -
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	Inventory; CA PROP.65: No			
Regulatory Information Statement:				
	Section 16. Other Information			
evision Date: 04/04/2018				
Additional Information About This Product:	No data available.			
Company Policy or Disclaimer:	DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.			

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